



SEQUENCE LISTING

<110> Brian Seed  
Tana Pouyani

<120> P-SELECTIN LIGANDS AND RELATED MOLECULES  
AND METHODS

<130> 00786/284002

<140> 08/765,018

<141> 1996-11-25

<150> 60/000,213

<151> 1995-06-14

<150> 08/661,960

<151> 1996-06-12

<160> 17

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 10

<212> PRT

<213> Homo sapiens

<400> 1

Ala Thr Glu Ala Gln Thr Thr Pro Pro Ala  
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<210> 2

<211> 16

<212> PRT

<213> Homo sapiens

<400> 2

Met Ala Thr Asn Ser Leu Glu Thr Ser Thr Gly Thr Ser Gly Pro Pro  
1 5 10 15

<210> 3

<211> 42

<212> PRT

<213> Homo sapiens

<400> 3

Gln Leu Trp Asp Thr Trp Ala Asp Glu Ala Glu Lys Ala Leu Gly Pro  
1 5 10 15  
Leu Leu Ala Arg Asp Arg Arg Gln Ala Thr Glu Tyr Glu Tyr Leu Asp

20 25 30  
Tyr Asp Phe Leu Pro Glu Thr Glu Pro Pro  
35 40

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<212> PRT  
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<400> 4  
Arg Asp Arg Arg Gln Ala Thr Glu Tyr Glu Tyr Leu Asp Tyr Asp Phe  
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<210> 5  
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<212> PRT  
<213> Homo sapiens

<400> 5  
Arg Asp Arg Arg Gln Ala Thr Glu Phe Glu Phe Leu Asp Phe Asp Phe  
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Leu Pro Glu Thr  
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<212> PRT  
<213> Homo sapiens

<400> 6  
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Leu Pro Glu Ala  
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<210> 7  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 7  
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Leu Pro Glu Ala  
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<210> 8  
<211> 2287  
<212> DNA  
<213> Homo sapiens

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tcggtgaagg	tctcctgcaa	ggcttctgga	ggcaccttca	gcagctatgc	tatcagctgg	180
gtgcgacagg	cccctggaca	aggccttgag	tggatgggag	ggatcatccc	tatctttggt	240
acagcaaaact	acgcacagaa	gttccagggc	agagtcacga	ttaccgcgga	cgaatccacg	300
agcacagcct	acatggagct	gagcagcctg	agatctgagg	acacggccgt	gtattactgt	360
gcgagagata	atggagcgta	ttgtagtggg	ggtagctgct	actcgggctg	gttcgacccc	420
tggggccagg	gaaccctggt	caccgtctct	tcagggtgagt	actgaattct	agctttctgg	480
ggcaggccag	gcctgacctt	ggctttgggg	cagggagggg	gctaagggtga	ggcagggtggc	540
gccagcaggt	gcacacccaa	tgcccatgag	cccagacact	ggacgctgaa	cctcgcggac	600
agttaagaac	ccaggggcct	ctgcgcctgg	gcccagctct	gtcccacacc	gcggtcacat	660
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cccgtctgcc	tcttcacccg	gagcctctgc	ccgcccact	catgctcagg	gagagggtct	1140
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cccgtggggg	gcgaggggcca	catggacaga	ggccggctcg	gcccaccctc	tgccctgaga	1920
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tgcccccatc	ccgggatgag	ctgaccaaga	accaggtcag	cctgacctgc	ctgggtcaaag	2040
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acaagaccac	gcctcccgtg	ctggactccg	acggctccct	cttctcttac	agcaagctca	2160
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<210> 9

<211> 442

<212> PRT

<213> Homo sapiens

<400> 9

Lys	Leu	Thr	Thr	Met	Asp	Trp	Thr	Trp	Arg	Phe	Leu	Phe	Phe	Val	Val
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			20					25					30		

Ala Glu Val Lys Lys Pro Gly Ser Ser Val Lys Val Ser Cys Lys Ala  
 35 40 45  
 Ser Gly Gly Thr Phe Ser Ser Tyr Ala Ile Ser Trp Val Arg Gln Ala  
 50 55 60  
 Pro Gly Gln Gly Leu Glu Trp Met Gly Gly Ile Ile Pro Ile Phe Gly  
 65 70 75 80  
 Thr Ala Asn Tyr Ala Gln Lys Phe Gln Gly Arg Val Thr Ile Thr Ala  
 85 90 95  
 Asp Glu Ser Thr Ala Arg Asp Asn Gly Ala Tyr Cys Ser Gly Gly Ser  
 100 105 110  
 Cys Tyr Ser Gly Trp Phe Asp Pro Trp Gly Gln Gly Thr Leu Val Thr  
 115 120 125  
 Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro  
 130 135 140  
 Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val  
 145 150 155 160  
 Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala  
 165 170 175  
 Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly  
 180 185 190  
 Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Asp Lys  
 195 200 205  
 Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys  
 210 215 220  
 Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro  
 225 230 235 240  
 Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys  
 245 250 255  
 Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp  
 260 265 270  
 Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu  
 275 280 285  
 Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu  
 290 295 300  
 His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn  
 305 310 315 320  
 Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly  
 325 330 335  
 Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu  
 340 345 350  
 Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr  
 355 360 365  
 Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn  
 370 375 380  
 Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe  
 385 390 395 400  
 Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn  
 405 410 415  
 Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr  
 420 425 430  
 Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys

435

440

<210> 10  
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 <212> DNA  
 <213> Homo sapiens

<400> 10  
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 ggcaagtggg ttatatatcg atcggccttt cgaaacgagg agtacaataa gtcggttcag 180  
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 cgggaaaatg ggaccatctc cagatacgtg ggaggccaag agcatttcgc tcaattgctg 360  
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 ctccctgtct ccgggtaaat gagtgcgacg gccg 1894

<210> 11  
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 <212> PRT  
 <213> Homo sapiens

<400> 11  
 Met Ala Leu Ser Trp Val Leu Thr Val Leu Ser Leu Leu Pro Leu Leu  
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 Glu Ala Gln Ile Pro Leu Cys Ala Asn Leu Val Pro Val Pro Ile Thr  
 20 25 30

Asn Ala Thr Leu Asp Gln Ile Thr Gly Lys Trp Phe Tyr Ile Ala Ser  
 35 40 45  
 Ala Phe Arg Asn Glu Glu Tyr Asn Lys Ser Val Gln Glu Ile Gln Ala  
 50 55 60  
 Thr Phe Phe Tyr Phe Thr Pro Asn Lys Thr Glu Asp Thr Ile Phe Leu  
 65 70 75 80  
 Arg Glu Tyr Gln Thr Arg Gln Asp Gln Cys Ile Tyr Asn Thr Thr Tyr  
 85 90 95  
 Leu Asn Val Gln Arg Glu Asn Gly Thr Ile Ser Arg Tyr Val Gly Gly  
 100 105 110  
 Gln Glu His Phe Ala His Leu Leu Ile Leu Arg Asp Thr Lys Thr Tyr  
 115 120 125  
 Met Leu Ala Phe Asp Val Asn Asp Glu Lys Asn Trp Gly Leu Ser Val  
 130 135 140  
 Tyr Ala Asp Lys Pro Glu Thr Thr Lys Glu Gln Leu Gly Glu Phe Tyr  
 145 150 155 160  
 Glu Ala Leu Asp Cys Leu Arg Ile Pro Lys Ser Asp Val Val Tyr Thr  
 165 170 175  
 Asp Trp Lys Lys Asp Lys Cys Glu Pro Leu Glu Lys Gln His Glu Lys  
 180 185 190  
 Glu Arg Lys Gln Glu Glu Gly Glu Ser Asp Pro Glu Gly Glu Pro Lys  
 195 200 205  
 Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu  
 210 215 220  
 Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr  
 225 230 235 240  
 Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val  
 245 250 255  
 Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val  
 260 265 270  
 Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser  
 275 280 285  
 Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu  
 290 295 300  
 Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala  
 305 310 315 320  
 Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro  
 325 330 335  
 Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln  
 340 345 350  
 Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala  
 355 360 365  
 Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr  
 370 375 380  
 Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu  
 385 390 395 400  
 Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser  
 405 410 415  
 Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser  
 420 425 430  
 Leu Ser Pro Gly Lys

435

<210> 12  
 <211> 442  
 <212> PRT  
 <213> Homo sapiens

<400> 12  
 Lys Leu Thr Thr Met Asp Trp Thr Trp Arg Phe Leu Phe Phe Val Val  
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 Ala Ala Ala Thr Gly Val Gln Ser Gln Val Gln Leu Val Gln Ser Gly  
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 Ala Glu Val Lys Lys Pro Gly Ser Ser Val Lys Val Ser Cys Lys Ala  
 35 40 45  
 Ser Gly Gly Thr Phe Ser Ser Tyr Ala Ile Ser Trp Val Arg Gln Ala  
 50 55 60  
 Pro Gly Gln Gly Leu Glu Trp Met Gly Gly Ile Ile Pro Ile Phe Gly  
 65 70 75 80  
 Thr Ala Asn Tyr Ala Gln Lys Phe Gln Gly Arg Val Thr Ile Thr Ala  
 85 90 95  
 Asp Glu Ser Thr Ala Arg Asp Asn Gly Ala Tyr Cys Ser Gly Gly Ser  
 100 105 110  
 Cys Tyr Ser Gly Trp Phe Asp Pro Trp Gly Gln Gly Thr Leu Val Thr  
 115 120 125  
 Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro  
 130 135 140  
 Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val  
 145 150 155 160  
 Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala  
 165 170 175  
 Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly  
 180 185 190  
 Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Asp Lys  
 195 200 205  
 Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys  
 210 215 220  
 Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro  
 225 230 235 240  
 Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys  
 245 250 255  
 Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Asn Phe Ser Trp  
 260 265 270  
 Tyr Val Asp Gly Val Glu Val His Asn Asn Lys Thr Lys Pro Arg Glu  
 275 280 285  
 Glu Asn Tyr Ser Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu  
 290 295 300  
 His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Asn Val Ser Asn  
 305 310 315 320  
 Lys Ala Leu Pro Ala Pro Ile Glu Lys Asn Ile Ser Lys Ala Lys Gly  
 325 330 335  
 Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu

340 345 350  
 Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr  
 355 360 365  
 Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn  
 370 375 380  
 Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe  
 385 390 395 400  
 Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn  
 405 410 415  
 Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr  
 420 425 430  
 Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys  
 435 440

<210> 13  
 <211> 42  
 <212> PRT  
 <213> Homo sapiens

<400> 13  
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 Gly Leu Asp Ala Gly Gly Ala Val Thr Glu  
 35 40

<210> 14  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

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 1 5 10 15

<210> 15  
 <211> 13  
 <212> PRT  
 <213> Homo sapiens

<400> 15  
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 1 5 10

<210> 16  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 16



Glu Asp Tyr Glu Tyr Asp Glu Leu Pro  
1 5

<210> 17

<211> 91

<212> PRT

<213> Homo sapiens

<400> 17

Ile Thr Thr Asn Ser Pro Glu Thr Ser Ser Arg Thr Ser Gly Ala Pro  
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20 25 30  
Pro Pro Leu Thr Met Ala Thr Val Ser Leu Glu Thr Ser Lys Gly Thr  
35 40 45  
Ser Gly Pro Pro Val Thr Met Ala Thr Asp Ser Leu Glu Thr Ser Thr  
50 55 60  
Gly Thr Thr Gly Pro Pro Val Thr Met Thr Thr Gly Ser Leu Glu Pro  
65 70 75 80  
Ser Ser Gly Ala Ser Gly Pro Gln Val Ser Ser  
85 90